

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/249,182DATE: 06/16/94  
TIME: 15:25:53

INPUT SET: S3070.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

1 SEQUENCE LISTING  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: STRACKE, MARY; LIOTTA, LANCE;  
6 SCHIFFMANN, ELLIOTT; KRUTZSCH,  
7 HENRY  
8  
9 (ii) TITLE OF INVENTION: MOTILITY STIMULATING  
10 PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
11 THERAPY  
12  
13 (iii) NUMBER OF SEQUENCES: 54  
14  
15 (iv) CORRESPONDENCE ADDRESS:  
16 (A) ADDRESSEE: MORGAN & FINNEGAN  
17 (B) STREET: 345 PARK AVENUE  
18 (C) CITY: NEW YORK  
19 (D) STATE: NEW YORK  
20 (E) COUNTRY: U.S.A.  
21 (F) ZIP: 10154  
22  
23 (v) COMPUTER READABLE FORM:  
24 (A) MEDIUM TYPE: Floppy Disk  
25 (B) COMPUTER: IBM PC compatible  
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
27 (D) SOFTWARE: WordPerfect 5.1  
28  
29 (vi) CURRENT APPLICATION DATA:  
30 (A) APPLICATION NUMBER:  
31 (B) FILING DATE: 25-MAY-1994  
32 (C) CLASSIFICATION:  
33  
34 (vii) PRIOR APPLICATION DATA  
35 (A) APPLICATION NUMBER: 07/822,043  
36 (B) FILING DATE: 17-JAN-1992  
37  
38 (viii) ATTORNEY/AGENT INFORMATION:  
39 (A) NAME: DOROTHY R. AUTH  
40 (B) REGISTRATION NUMBER: 36,434  
41 (C) REFERENCE/DOCKET NUMBER: 2026-4149US1  
42  
43 (ix) TELECOMMUNICATION INFORMATION:  
44 (A) TELEPHONE: (212) 758-4800  
45 (B) TELEFAX: (212) 751-6849  
46

ENTERED

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/249,182DATE: 06/16/94  
TIME: 15:25:58

INPUT SET: S3070.raw

47  
48 (2) INFORMATION FOR SEQ ID NO:1:  
49  
50 (i) SEQUENCE CHARACTERISTICS:  
51 (A) LENGTH: 5  
52 (B) TYPE: amino acid  
53  
54  
55  
56  
57  
58  
59  
60 (D) TOPOLOGY: linear  
61  
62  
63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
64  
65 Trp His Val Ala Arg  
66 1 5  
67  
68 (2) INFORMATION FOR SEQ ID NO:2:  
69  
70 (i) SEQUENCE CHARACTERISTICS:  
71 (A) LENGTH: 6  
72 (B) TYPE: amino acid  
73 (D) TOPOLOGY: linear  
74  
75  
76 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
77  
78 Pro Leu Asp Val Tyr Lys  
79 1 5  
80  
81 (2) INFORMATION FOR SEQ ID NO:3:  
82  
83 (i) SEQUENCE CHARACTERISTICS:  
84 (A) LENGTH: 5  
85 (B) TYPE: amino acid  
86 (D) TOPOLOGY: linear  
87  
88  
89 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
90  
91 Tyr Pro Ala Phe Lys  
92 1 5  
93  
94 (2) INFORMATION FOR SEQ ID NO:4:  
95  
96 (i) SEQUENCE CHARACTERISTICS:  
97 (A) LENGTH: 5 amino acids  
98 (B) TYPE: amino acid  
99 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/249,182DATE: 06/16/94  
TIME: 15:26:04

INPUT SET: S3070.raw

100  
101  
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
103

104 Gln Ala Glu Val Ser  
105 1 5  
106

107 (2) INFORMATION FOR SEQ ID NO:5:  
108

109 (i) SEQUENCE CHARACTERISTICS:  
110 (A) LENGTH: 10  
111 (B) TYPE: amino acid  
112  
113  
114  
115  
116  
117

118  
119 (D) TOPOLOGY: linear  
120  
121

122 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
123

124 Pro Glu Glu Val Thr Arg Pro Asn Tyr Leu  
125 1 5 10  
126

127 (2) INFORMATION FOR SEQ ID NO:6:  
128

129 (i) SEQUENCE CHARACTERISTICS:  
130 (A) LENGTH: 9  
131 (B) TYPE: amino acid  
132 (D) TOPOLOGY: linear  
133

134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
135

136 Tyr Asp Val Pro Trp Asn Glu Thr Ile  
137 1 5  
138

139 (2) INFORMATION FOR SEQ ID NO:7:  
140

141 (i) SEQUENCE CHARACTERISTICS:  
142 (A) LENGTH: 10  
143 (B) TYPE: amino acid  
144 (D) TOPOLOGY: linear  
145  
146

147 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
148

149 Val Pro Pro Phe Glu Asn Ile Glu Leu Tyr  
150 1 5 10  
151

152 (2) INFORMATION FOR SEQ ID NO:8:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/249,182DATE: 06/16/94  
TIME: 15:26:09

INPUT SET: S3070.raw

153  
154 (i) SEQUENCE CHARACTERISTICS:  
155 (A) LENGTH: 11  
156 (B) TYPE: amino acid  
157 (D) TOPOLOGY: linear  
158  
159  
160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
161  
162 Gly Gly Gln Pro Leu Trp Ile Thr Ala Thr Lys  
163 1 5 10  
164  
165 (2) INFORMATION FOR SEQ ID NO:9:  
166  
167 (i) SEQUENCE CHARACTERISTICS:  
168 (A) LENGTH: 16  
169 (B) TYPE: amino acid  
170 (D) TOPOLOGY: linear  
171  
172  
173  
174  
175  
176  
177  
178  
179 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
180  
181 Val Asn Ser Met Gln Thr Val Phe Val Gly Tyr Gly  
182 1 5 10  
183  
184 Pro Thr Phe Lys  
185 15  
186  
187 (2) INFORMATION FOR SEQ ID NO:10:  
188  
189 (i) SEQUENCE CHARACTERISTICS:  
190 (A) LENGTH: 12  
191 (B) TYPE: amino acid  
192 (D) TOPOLOGY: linear  
193  
194  
195 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
196  
197 Asp Ile Glu His Leu Thr Ser Leu Asp Phe Phe Arg  
198 1 5 10  
199  
200 (2) INFORMATION FOR SEQ ID NO:11:  
201  
202 (i) SEQUENCE CHARACTERISTICS:  
203 (A) LENGTH: 23  
204 (B) TYPE: amino acid  
205 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/249,182DATE: 06/16/94  
TIME: 15:26:15

INPUT SET: S3070.raw

206

207

208

209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

210

211 Thr Glu Phe Leu Ser Asn Tyr Leu Thr Asn Val Asp

212 1 5 10

213

214 Asp Ile Thr Leu Val Pro Glu Thr Leu Gly Arg

215 15 20

216

217

218 (2) INFORMATION FOR SEQ ID NO:12:

219

220 (i) SEQUENCE CHARACTERISTICS:

221 (A) LENGTH: 18

222 (B) TYPE: nucleic acid

223 (C) STRANDEDNESS: single

224 (D) TOPOLOGY: linear

225

226

227 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

228

229 GTTGGCAGCN ACRTGCCA

18

230

231

232

233

234

235

236

237

238 (2) INFORMATION FOR SEQ ID NO:13:

239

240 (i) SEQUENCE CHARACTERISTICS:

241 (A) LENGTH: 18

242 (B) TYPE: nucleic acid

243 (C) STRANDEDNESS: single

244 (D) TOPOLOGY: linear

245

246

247 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

248

249 TGGCAYGTNG CTGCCAAC

18

250

251 (2) INFORMATION FOR SEQ ID NO:14:

252

253 (i) SEQUENCE CHARACTERISTICS:

254 (A) LENGTH: 15

255 (B) TYPE: nucleic acid

256 (C) STRANDEDNESS: single

257 (D) TOPOLOGY: linear

258

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/249,182**

DATE: 06/16/94  
TIME: 15:26:21

***INPUT SET: S3070.raw***

Line

Error

Original Text

**CRF Errors Corrected by the STIC Systems Branch**

**Serial Number:** 08/249,182

CRF Processing Date: 06/16/94  
 Edited by: [Signature]  
 Verified by: [Signature] (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: ENTERED
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☒ Changed the spelling of a mandatory field (the headings or subheadings), specifically:  
Reference (Docket Number):
- ☐ Inserted a space between the last nucleic designator and the nucleic number for sequences: \_\_\_\_\_
- ☐ Deleted page numbers in the text of the sequence listing, which is considered invalid text.
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted non-ASCII "garbage" at the end of files, and other invalid text, such as a secretary's initials.
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Other: \_\_\_\_\_

**\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**